



App No.: 10/047,724

Docket No.: HO-P02070US1

Inventor: Vince Hilser et al.

**Title: THERMODYNAMIC PROPENSITIES OF AMINO ACIDS
IN THE NATIVE STATE ENSEMBLE: IMPLICATIONS FOR
FOLD RECOGNITION** **REPLACEMENT SHEET**

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Fully Folded

$$i = 0$$

Partition 1

A stylized, black and white graphic of a tiger's head, facing right. The drawing uses thick outlines and cross-hatching to create a textured appearance. The tiger has a large, expressive eye and a slightly open mouth.

. . . $i = 2,046$

Partition 2

A decorative floral ornament consisting of stylized leaves and flowers, rendered in black ink on a light background.

. . . *i* = 4,092

$i = 2,047 \quad i = 2,048$

Partition 5

. . . $i = 9,207$

$i = 7,161 \quad i = 7,162$

i = 7,314

Fully Unfolded

i = 9,208

Figure 1A

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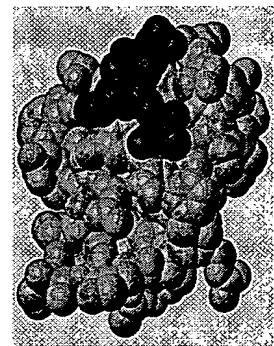
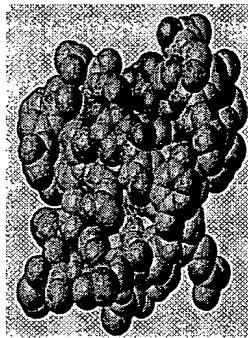
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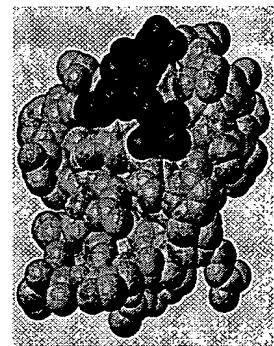
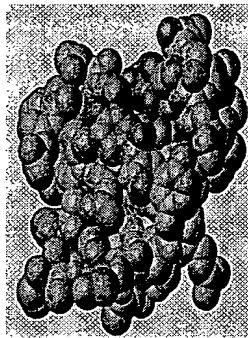
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$$\Delta \text{ASA} = (\text{ASA}_{\text{unfolded unit}} + \text{ASA}_{\text{complimentary}}) - (\text{ASA}_{\text{native unit}})$$

Ser 26



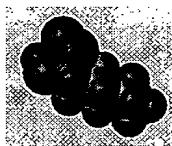
Asp 27



Asn 28



Lys 29



Thr 30

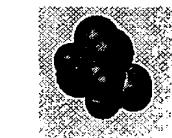


Figure 1B